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## ***April 2018 Edition***

### **April Meeting Minutes**

Russ Ramirez, K0WFS, called the meeting to order at 1:00 PM. 21 were in attendance.

Chuck Stroud, KA8HDE, reports that there is \$2316.86 in the checking account. He had also collected some membership dues which were not yet reflected in that amount.

**Old Business:** None

### **New Business:**

Craig Johnson, AA0ZZ, reminded us that Field Day was fast approaching and we should give some consideration to what we might due.

Bill Unger, VE3XT, visited from Thunder Bay, Canada. At the request of Dave Kent, we got a nice group picture.



### **Show and Tell:**

**Bede Willenbring**, WA0QNV, brought in a power supply he recently completed. It employs a prebuilt switching brick with a 12V/20A output and two variable regulators. This provides one fixed 12V and two variable outputs. Bede laser etched the lettering on the cabinet which turned out super!





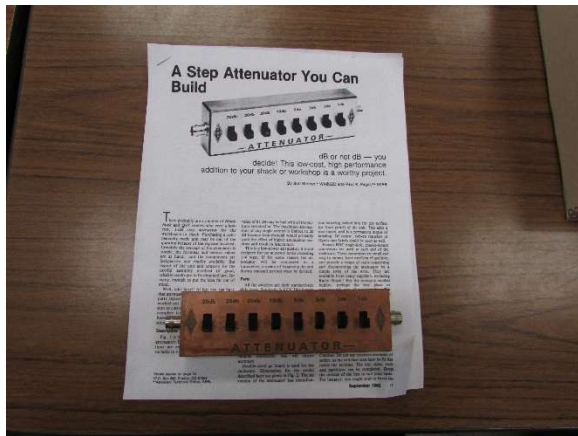
**Craig Johnson, AA0ZZ**, showed us the transceiver he has designed to fit into his new smaller enclose. It sports a digital front end and has a direct conversion style receiver. It also includes a built in keyer. Craig is working on finalizing the PCB. The prototype tuning mechanism was demonstrated.



**John Krawczak, KJ0P**, spoke about the problem he encountered getting a long enough 4-40 bolt for one of his projects. He resolved the problem with some threaded rod where he soldered a nut to one end and cut to length. He also showed us a nice assortment of metric bolts he picked up at Micro Center. John also brought in an attenuator he purchased at the recent Mid Winter Madness.





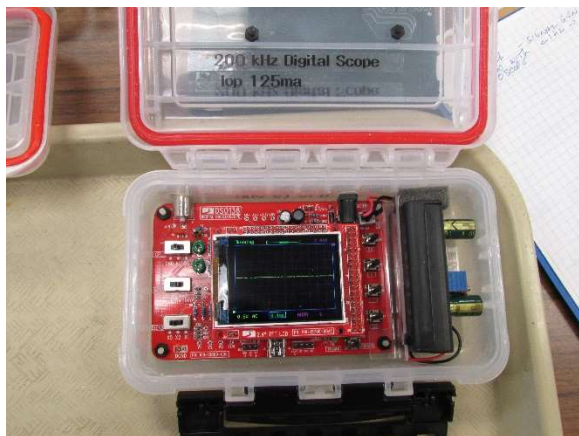


**Bill Unger**, WE3XT, brought in a Sprint rig he had built into an Altoids box along with a portable antenna for 20, 30 & 40 meters. Bill had to modify the 40 meter resonator a bit to get the SWR in range. He also brought in a 16 foot collapsible fiberglass pole he intended to use as a portable mast.



**Craig Siegenthaler**, W0BG0, brought in a number of test items and jigs. He built three of these into plastic containers. Included are a digital scope which is good for audio work, another was an inductance meter and the third is a gain/phase meter. He also brought in a fixed attenuator, white noise generator, power meter, audio amp (2.5 watts), a mixer employing an Analog Devices 831 and an RF bridge with a 100 KHz – 3 MHz range.



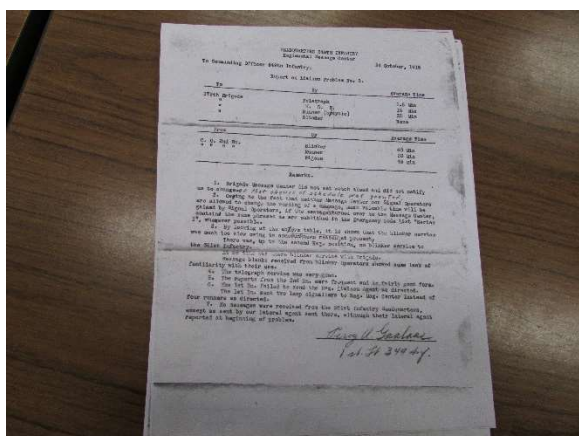
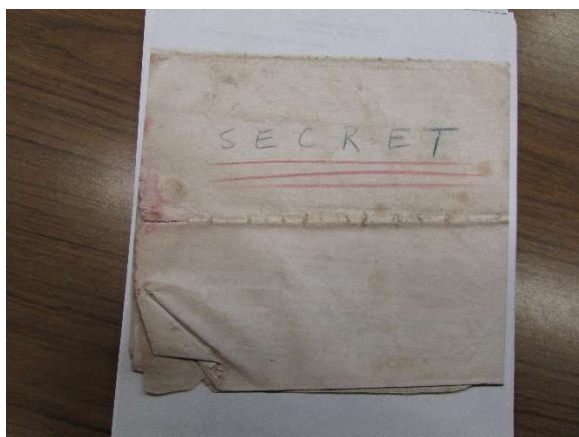


**Mike Burk, KD0JXE**, brought in a JDS 2600 signal generator he recently acquired. He reports that it works quite well and is easy to operate. He also brought in an All Sun EM125 portable DVM/O'scope which he has found very useful.



**Larry Gaalaas, KB0R**, brought in a TYT brand DMR radio he recently obtained from Radio City. He reports that it was overall easy to program and works well. He also brought in copies of some documents that belonged to his grandfather who was in the Signal Corp during WWI. These were most interesting to read.



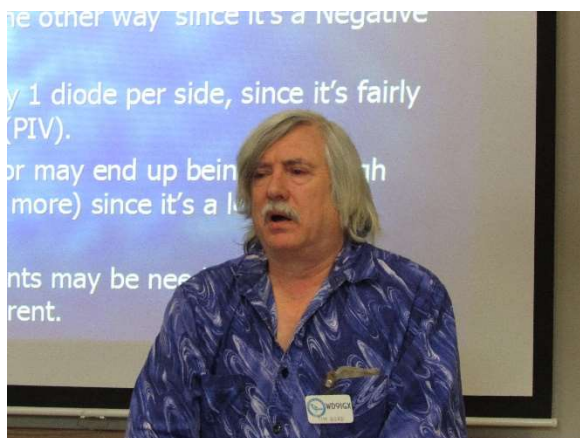


**John Haurykiewicz, KE0DYJ**, brought in his Comet antenna analyzer along with a 50 ohm load. The analyzer has dual meters along with an LCD display. The frequency range is to 500 MHz. John explained the various features and reports that he is overall pleased with the unit.

## April Presentation:

The presentation was by **Tim Burd, WD9IGX**, on Power Rectifiers. Tim first explained the problems associated with power rectifier vacuum tubes and then showed how they could be replaced with solid state rectifiers. Tim showed what needed to be done to successfully construct a solid state replacement and some of the things that needed to be checked since the power comes on instantly. The main benefits from a solid state replacement are less heat and lower power consumption.

Thank you for a great presentation!!



Submitted by: Steve Ulrich/NW0C

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### **Club Officers:**

*President: Russ Ramirez/K0WFS*  
*Vice Pres: Jeremy Mooney/KC0LDI*  
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*Treasurer: Paul Bushouse/N0TYE*  
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*[russ.ramirez@gmail.com](mailto:russ.ramirez@gmail.com)*  
*[kc0ldi@qux.net](mailto:kc0ldi@qux.net)*  
*[ulrichs@comcast.net](mailto:ulrichs@comcast.net)*  
*[p-bushouse@bethel.edu](mailto:p-bushouse@bethel.edu)*  
*[wb0poq@visi.com](mailto:wb0poq@visi.com)*